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INTRODUCTION TO THE INDEX

Subject Index

The alphabetically ordered subject index contains entries based on the most important subjects mentioned in the title and abstract. The chemical names used as index terms are chosen on the basis of the nomenclature recommended by the International Union of Pure and Applied Chemistry. Organic compounds are indexed at the parent compound followed by the substituent groups; esters and salts of organic acids are indexed under the names of their acid constituents.

As far as possible, dyes are indexed under the Colour Index names; the names given to enzymes are those recommended by The International Union of Biochemistry; drugs are indexed at their official B.P. or B.P.C. names or the Approved Names recommended by the British Pharmacopoeia Commission; and pesticides are indexed at the names recommended by the British Standards Institution.

Letter-by-letter alphabetization is used for the bold subject headings. Repetition of words or phrases that occur in preceding entries is avoided by the use of indentation.

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The letter B following an abstract number indicates that the item refers to a book.

Author Index

The names of all authors are listed alphabetically, and prefixes are treated as part of the surname. Where two or more authors have the same surname and initials, no attempt at resolution has been made. For instance, William Smith and Walter Smith will be included under the single entry "Smith, W."

The German ä, ö and ü and the Danish or Norwegian ϕ have been rendered as ae, oe, ue and oe, respectively. The suffix B to an abstract number indicates that the item refers to a book.

Subject Index Guide

This guide directs the user to the preferred index term, as used in the Subject Index. Some headings have "*see also*" references to direct the user to more specific or closely related headings. "*See*" references indicate that the subject is indexed under another heading.

AAS *see* Spectrophotometry, atomic-absorption

Acetic acid, ethylenediaminetetra- *see* EDTA

Acetylene derivatives *see* Alkynes

Acids *see also* Alkanesulfonic acids; Amino-acids; Arenesulfonic acids; Carboxylic acids; Fatty acids

Activation analysis *see* Radioactivation analysis

ADP *see* Adenosine 5′-pyrophosphate

AES *see* Spectrophotometry, atomic-emission

AFS *see* Spectrophotometry, atomic-fluorescence

Alcohols *see also* Diols; Polyols

Alkanes *see also* Cycloalkanes

Alkanols *see* Alcohols, aliphatic

Alkenes *see also* Cycloalkenes

Alloys *see also headings such as* Iron alloys

Amines *see also* Diamines; Polyamines

cAMP *see* Adenosine cyclic 3′,5′-phosphate

AMP *see* Adenosine 5′-monophosphate

ATP *see* Adenosine 5′-triphosphate

Auger electron spectroscopy *see* Electron spectroscopy, Auger

Automated analysis *see also* Continuous-flow analysis; Flow-injection analysis

AZT *see* Zidovudine

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Benzenediamine *see* Phenylenediamine

Beverages, alcoholic *see also* specific named drinks

Beverages, non-alcoholic *see also* Fruit juices

Biochemical analysis *see also* Clinical analysis

Biological tissues *see also* Plants *and* specific organs and tissues

Biosensors *see also* Electrodes; Sensors

Carbohydrates *see also* Aldoses; Amino-sugars; Ketoses; Monosaccharides *and similar headings*

Carbon *see also* Carbonate-carbon; Diamond; Graphite

Carbonyl compounds *see also* Aldehydes; Ketones

Carboxylic acids *see also* Fatty acids

CMP *see* Cytidine 5′-monophosphate

Coal ash *see also* Fly ash

Corn oil *see* Maize oil

Corn syrup *see* Maize syrup

CZE *see* Electrophoresis, capillary zone

Dairy products *see also* Butter; Cheese; Cream; Ghee; Ice-cream; Whey; Yogurt

DNA *see* Nucleic acids, deoxyribo-

Drugs *see also* Biopharmaceuticals; Pharmaceutical analysis; Pharmaceutical preparations

Dyes *see also* specific commercial or Colour Index names

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Electrodes *see also* Biosensors; Sensors

ELISA *see* Enzyme-linked immunosorbent assay

EMIT *see* Enzyme-multiplied immunoassay technique

Enzymes *see also* specific enzyme names

ESR *see* Electron spin resonance

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Ethers, thio- *see* Sulfides

FAD *see* Flavine-adenine dinucleotide

Fatty acids *see also* Carboxylic acids

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Fruit *see also* Citrus fruit *and* specific fruits

FTIR spectrometry *see* Spectrometry, absorption, infra-red, Fourier-transform

Gases *see also* Exhaust gases; Fuel gases; Waste gases

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Globulins *see also* Immunoglobulins

Glycols *see* Diols

HPLC *see* Chromatography, liquid, high-performance

HPTLC *see* Chromatography, thin-layer, high-performance

Hydrocarbons *see also* Alkanes; Alkenes; Alkynes

Hydrogen *see also* Deuterium; Tritium

Immunoassay *see also* Chemiluminescence immunoassay; Enzyme immunoassay; Enzyme-multiplied immunoassay technique; Fluorescence polarization immunoassay; Radio-immunoassay

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IR spectrometry *see* Spectrometry, absorption, infra-red

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Mercaptans *see* Thiols

Metals *see also* Alloys

Minerals, ores and rocks *see also* Geochemical analysis; Geological materials; Lunar materials; Meteorites; Sediments

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NAD *see* Nicotinamide-adenine dinucleotide

NADH *see* Nicotinamide-adenine dinucleotide, reduced

Neutron-activation analysis *see* Radioactivation analysis, by neutrons

NIR spectrometry *see* Spectrometry, absorption, near-infra-red

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Nuclides *see* Radioisotopes

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Ores *see* Minerals, ores and rocks *and* ores of specific elements

PAGE *see* Electrophoresis, on gels

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PCB *see* Biphenyl derivatives, chloro-

PEG *see* Polyoxyethylene glycol

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Pesticides *see also* Fungicides; Herbicides

Pharmaceutical analysis *see also* Drugs

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PIXE *see* Spectrometry, emission, X-ray, particle-induced

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Precious metals *see* Noble metals

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PVC *see* Poly(vinyl chloride)

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RNA *see* Nucleic acids, ribo-

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SFE *see* Extraction, supercritical-fluid

SIMS *see* Mass spectrometry, secondary-ion

Sulfur *see also* Sulfate-sulfur; Sulfide-sulfur; Thiol-sulfur; Thiolate-sulfur

TLC *see* Chromatography, thin-layer

UV spectrophotometry *see* Spectrophotometry, absorption, ultra-violet - visible

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Vegetables *see also* specific vegetables

Waste gases *see also* Exhaust gases

Waste solids *see also* Fly ash; Slag

Waste water, pulp-mill *see* Paper, liquors from

Waters, natural *see also* Ice; Rain; Snow

Wood pulp *see* Paper pulp

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